Amendments to the Specification:

Please replace the paragraph beginning on page 6, line 16 with the following paragraph:

Referring to Fig. 4, another embodiment of the present invention is shown wherein the communication bus [[14]] 16 is monitored for detected errors. A counter 24 for counting detected bit errors is operably connected to a detector 18. A calculator 20 determines the detected bit error rate. An extrapolator 22 correlates the detected bit error rate into an undetected bit error probability. A comparator 26 compares the undetected bit error probability with a predetermined threshold and a corrective action signal is generated in response to the comparison. Exceeding the threshold sets a flag. In response to the flag, a means for improving accurate message transmission is initiated wherein undetected bit errors transmitted throughout the network are bound to a predetermined threshold.